

FIG. 1.

FIG. 2.

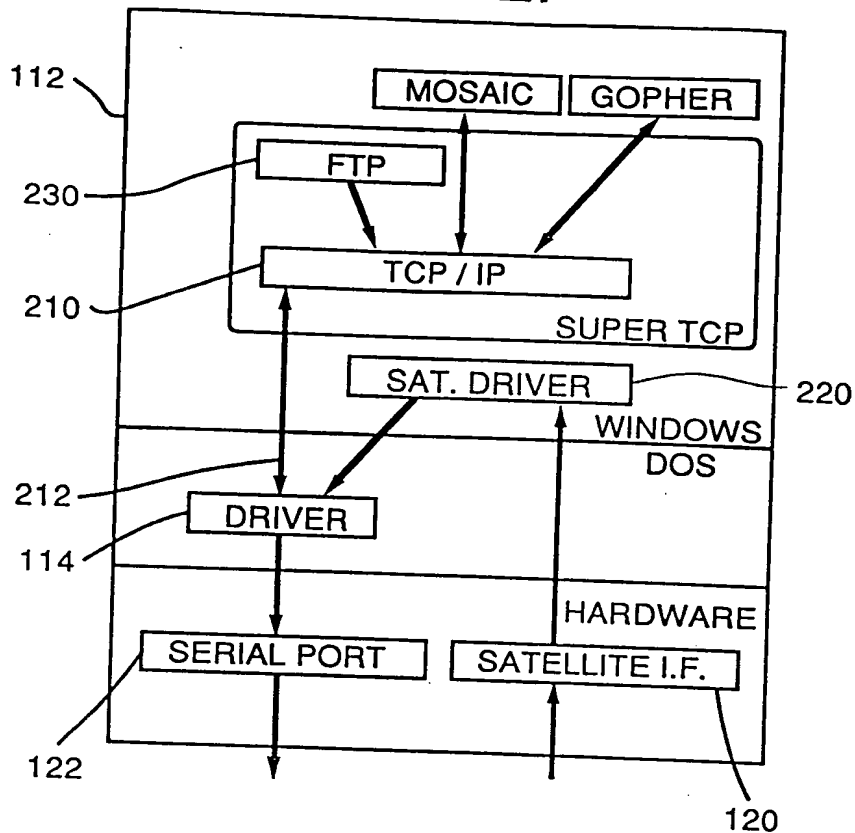


FIG. 3.

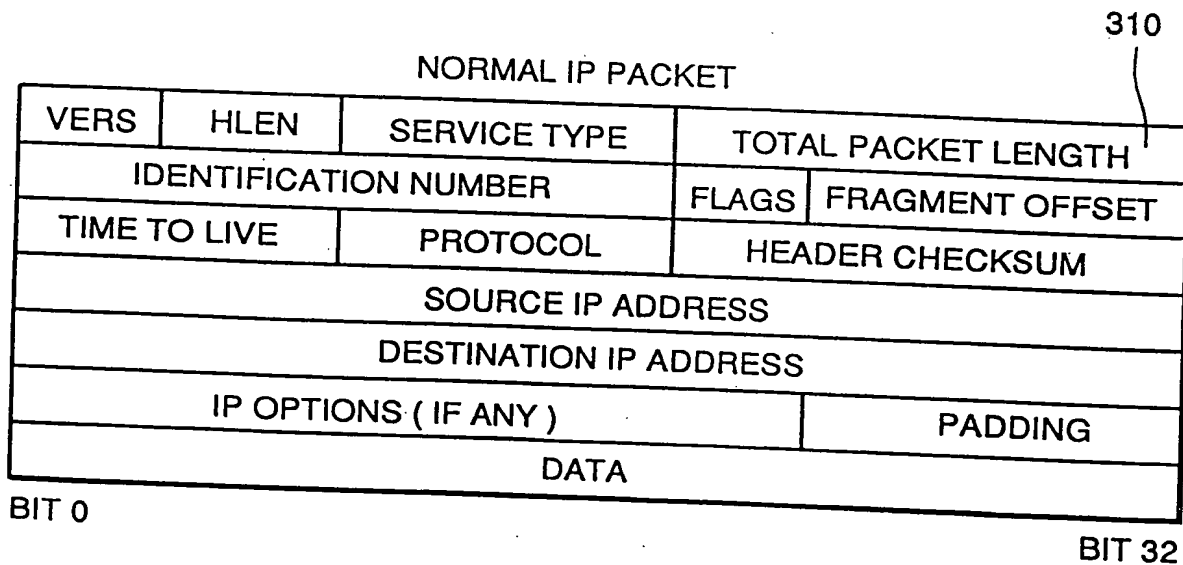


FIG. 4.

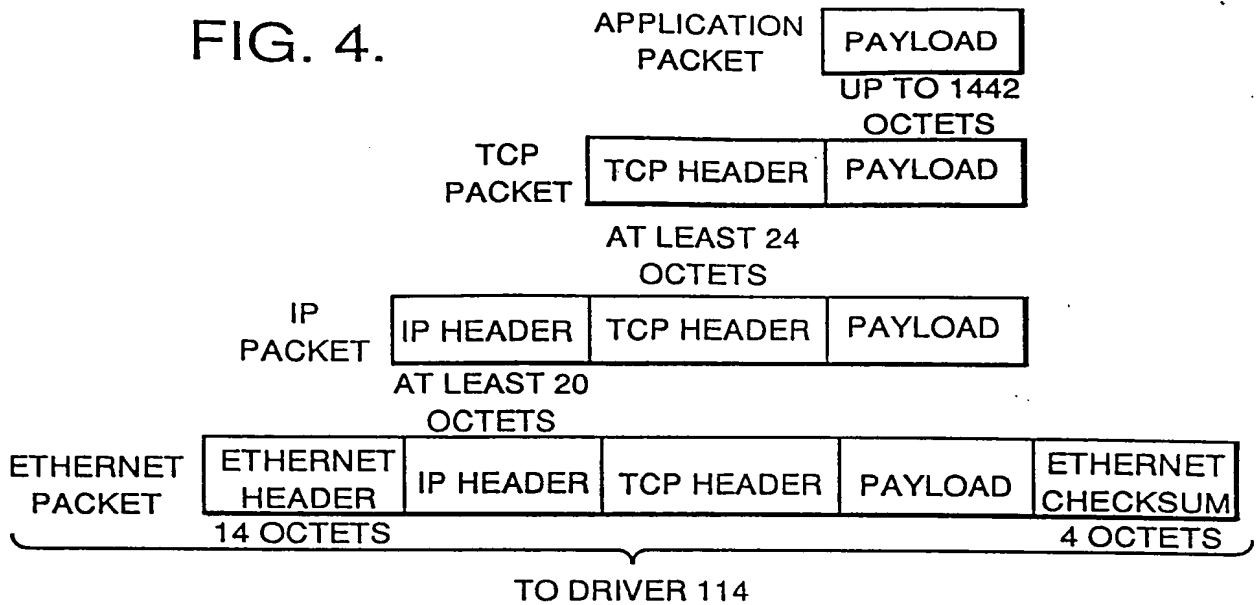
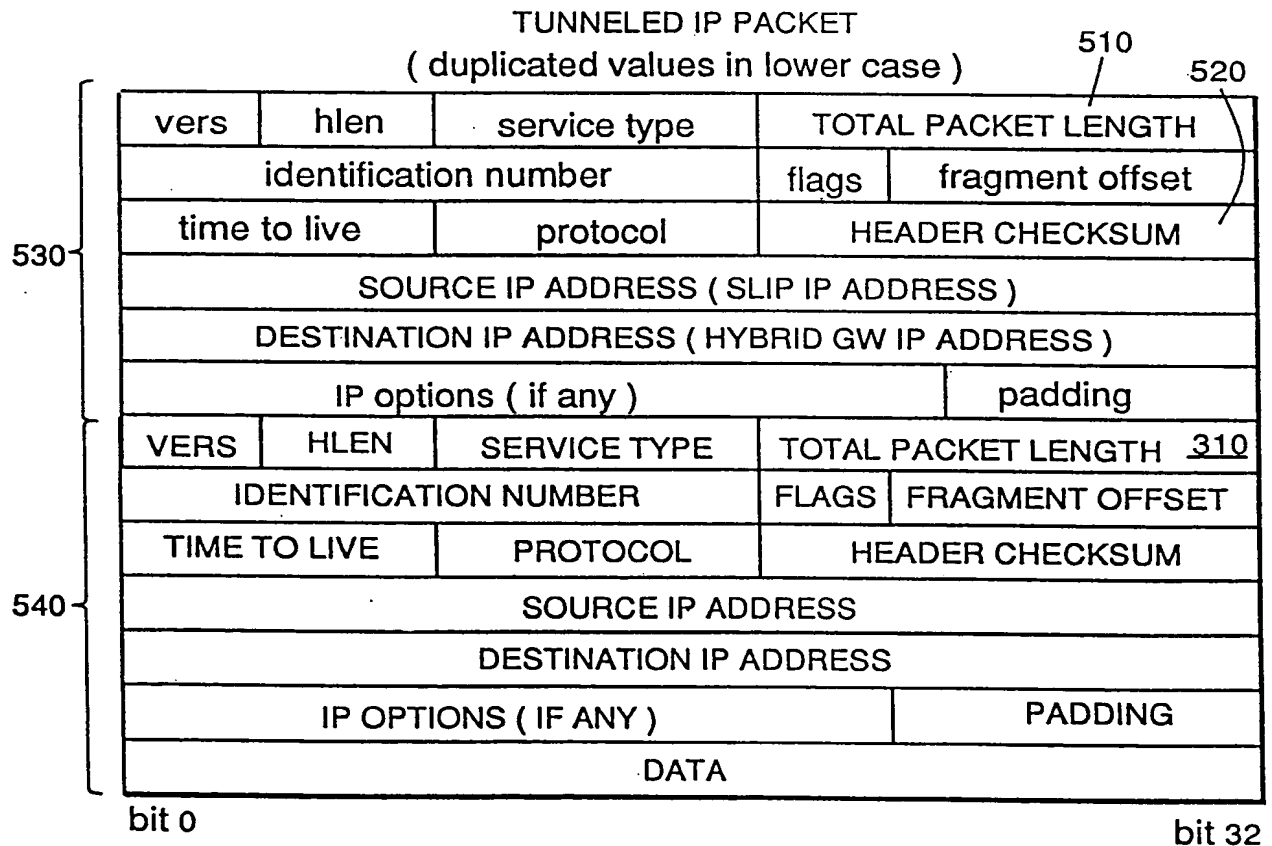


FIG. 5.



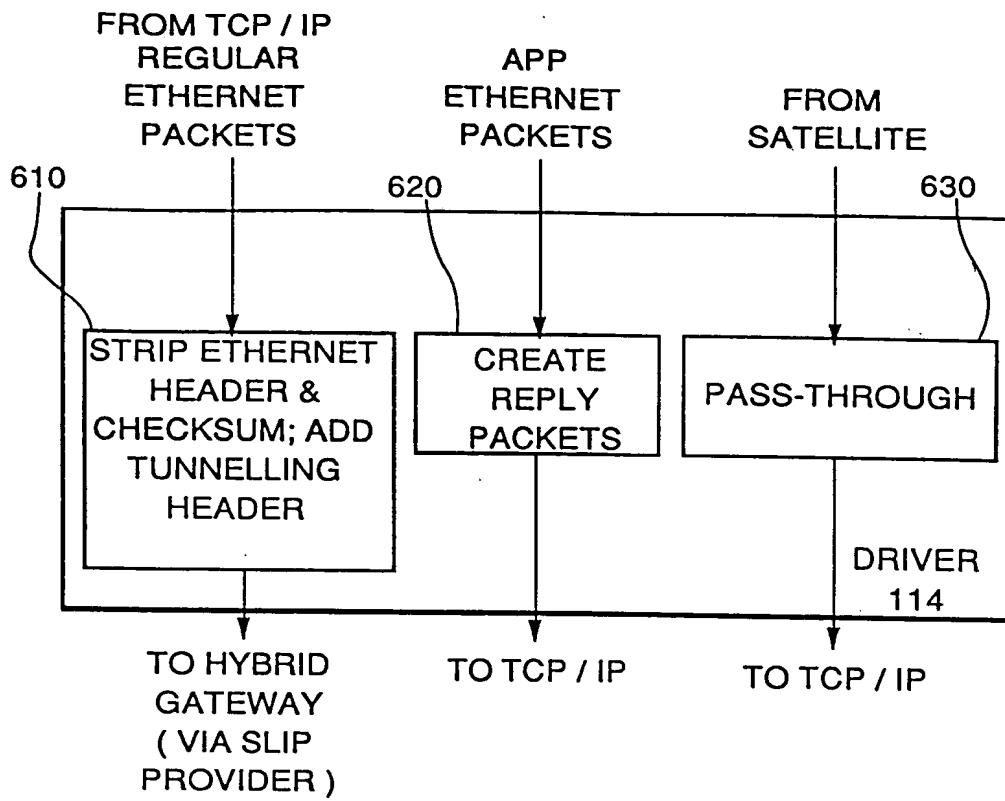


FIG. 6.

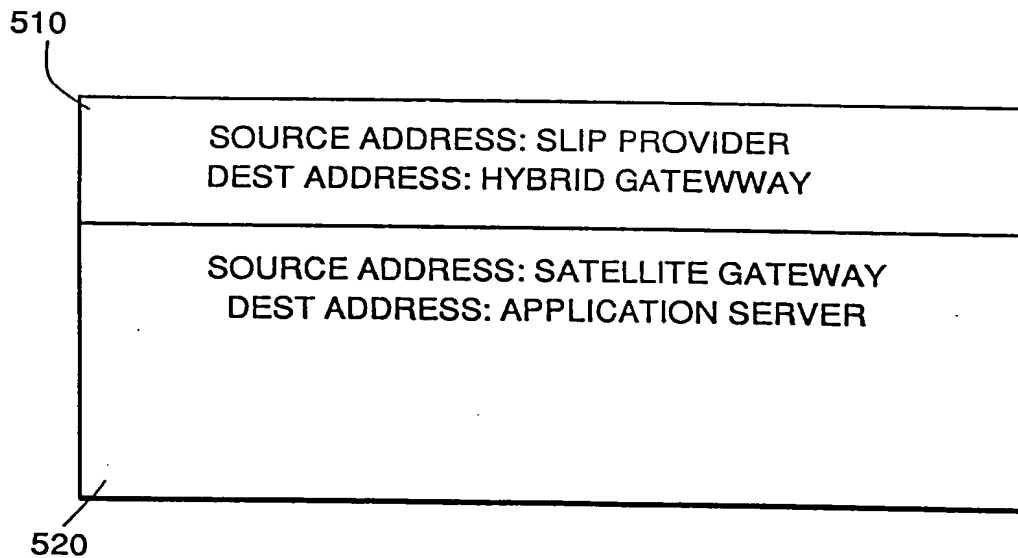


FIG. 7.

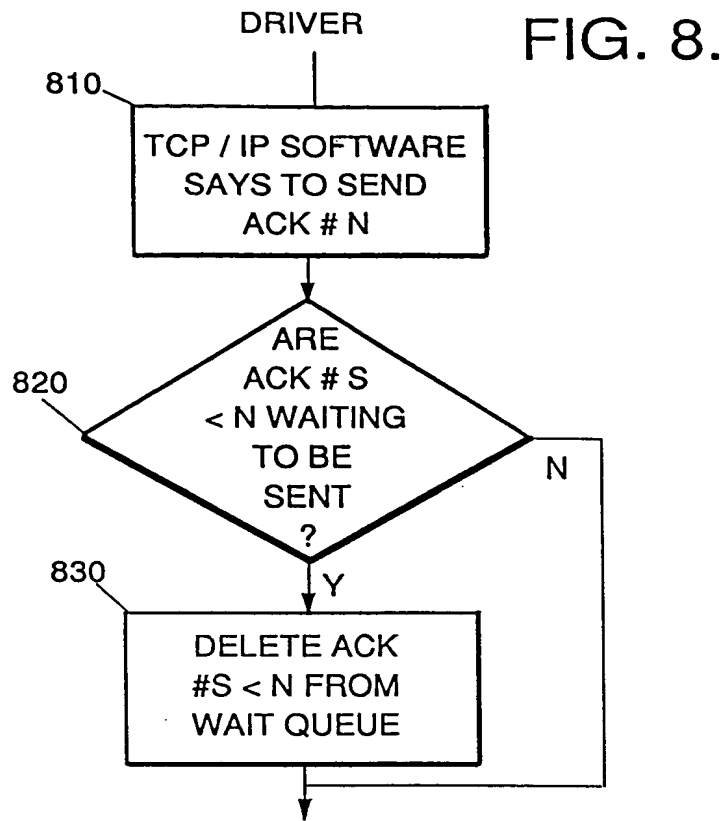


FIG. 9.

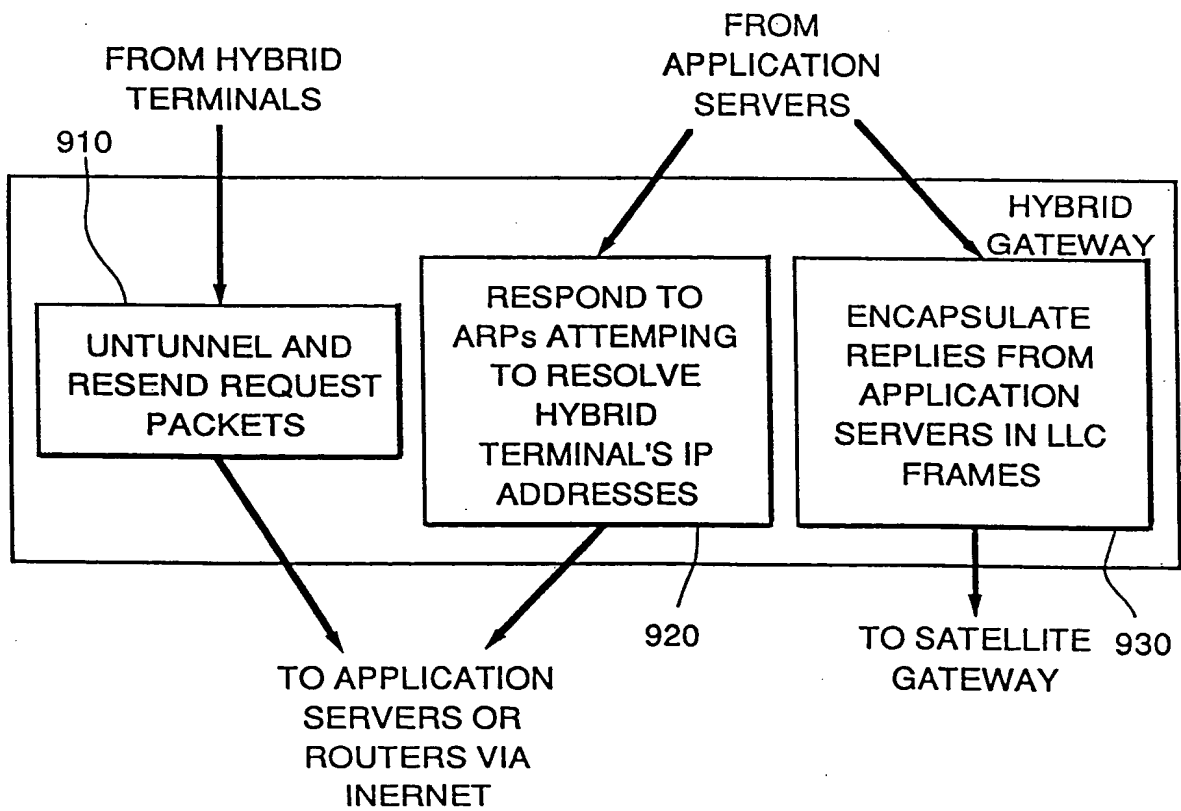


FIG. 10.

1030	1020	1010
LLC HEADER	SATELLITE HEADER	IP DATAGRAM (PAYLOAD)
DELIVERS PACKET TO SATELLITE GATEWAY STRIPPED OFF IN SATELLITE GATEWAY	USED TO ID CORRECT RECEIVER TERMINAL STRIPPED OFF IN BIC DRIVER IN USER TERMINAL	DESTINED FOR TCP/IP PACKAGE IN USER TERMINAL

FIG. 11.

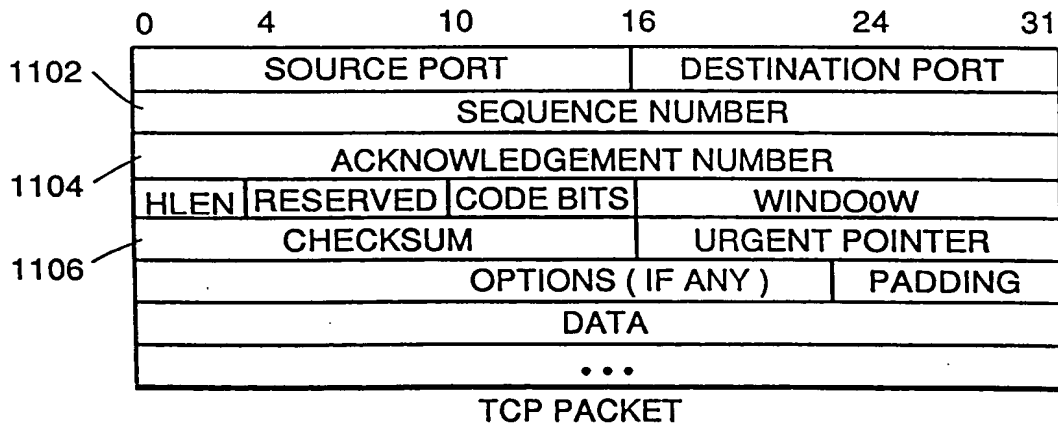


FIG. 12.

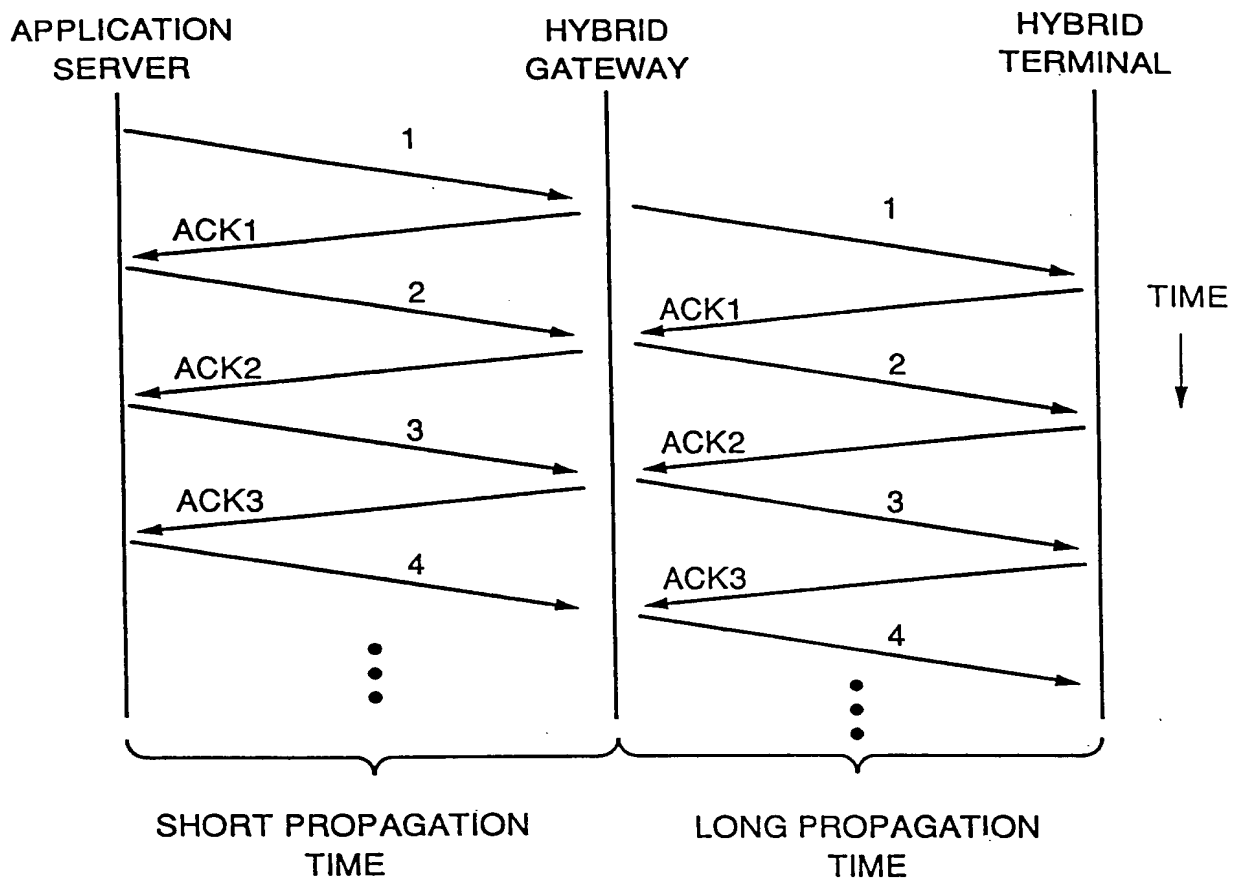


FIG. 13a.

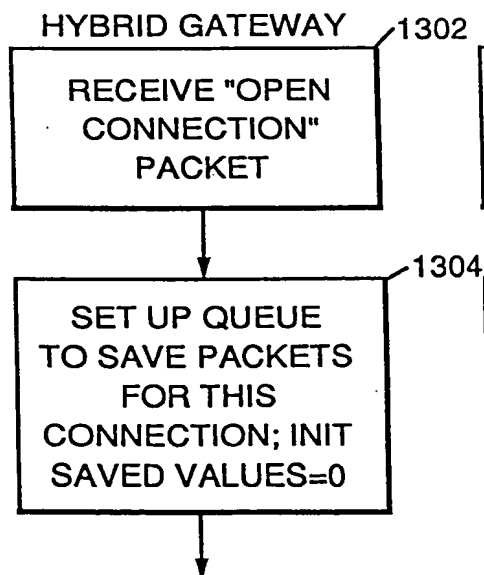


FIG. 13b.

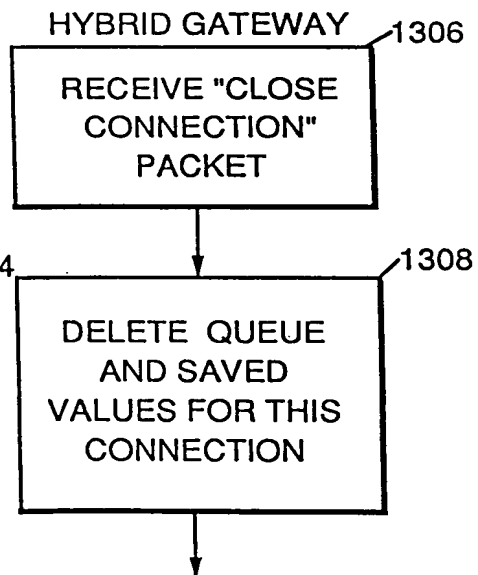


FIG. 13c.

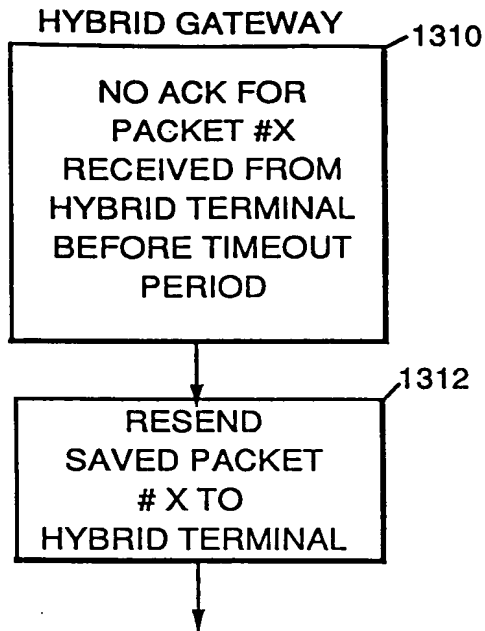


FIG. 13d.

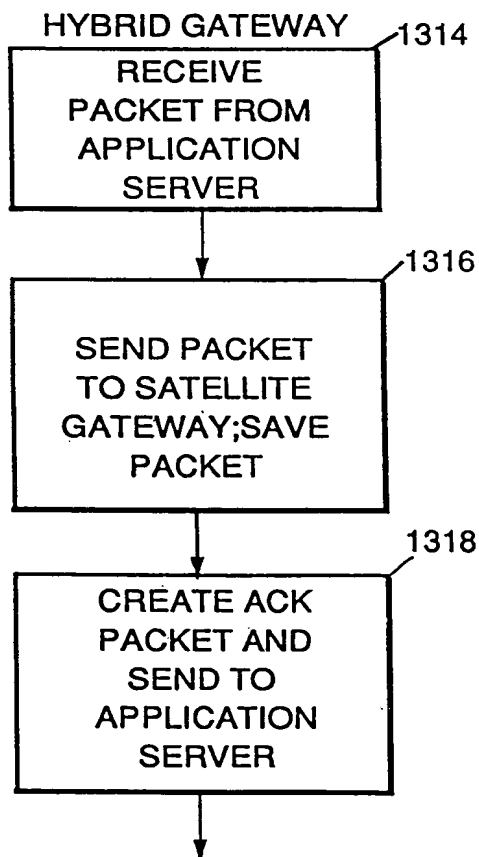
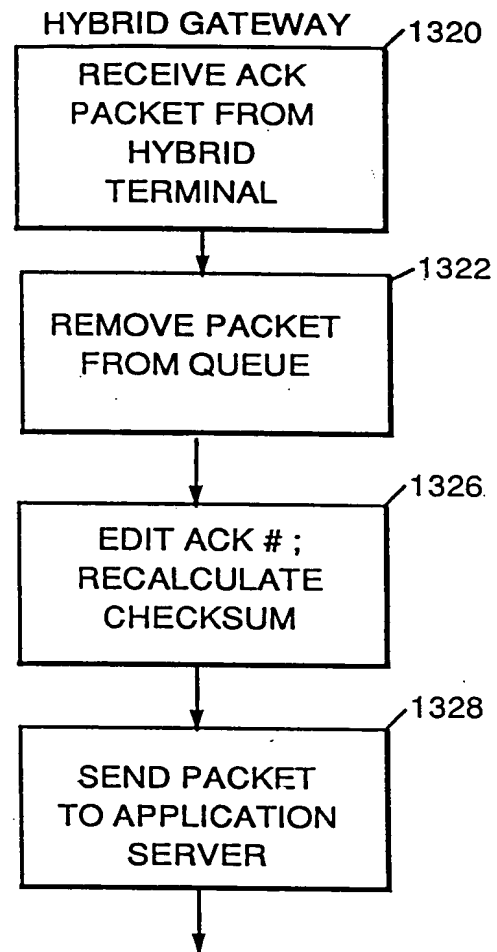


FIG. 13e.



1410

1412

Terrestrial Telnet Enable:

☐ Select All (except **)

<input type="checkbox"/>	Domain Name System	(53)
<input checked="" type="checkbox"/>	Finger	(79)
<input checked="" type="checkbox"/>	Ping	(NA)
**	Simple Mail Transfer Protocol	(25)
<input checked="" type="checkbox"/>	Telnet	(23)

Application Name

Protocol:

☒ TCP/UDP

Port Id

Other

Protocol Id:

Help

Cancel

Add

Delete

OK

FIG. 14

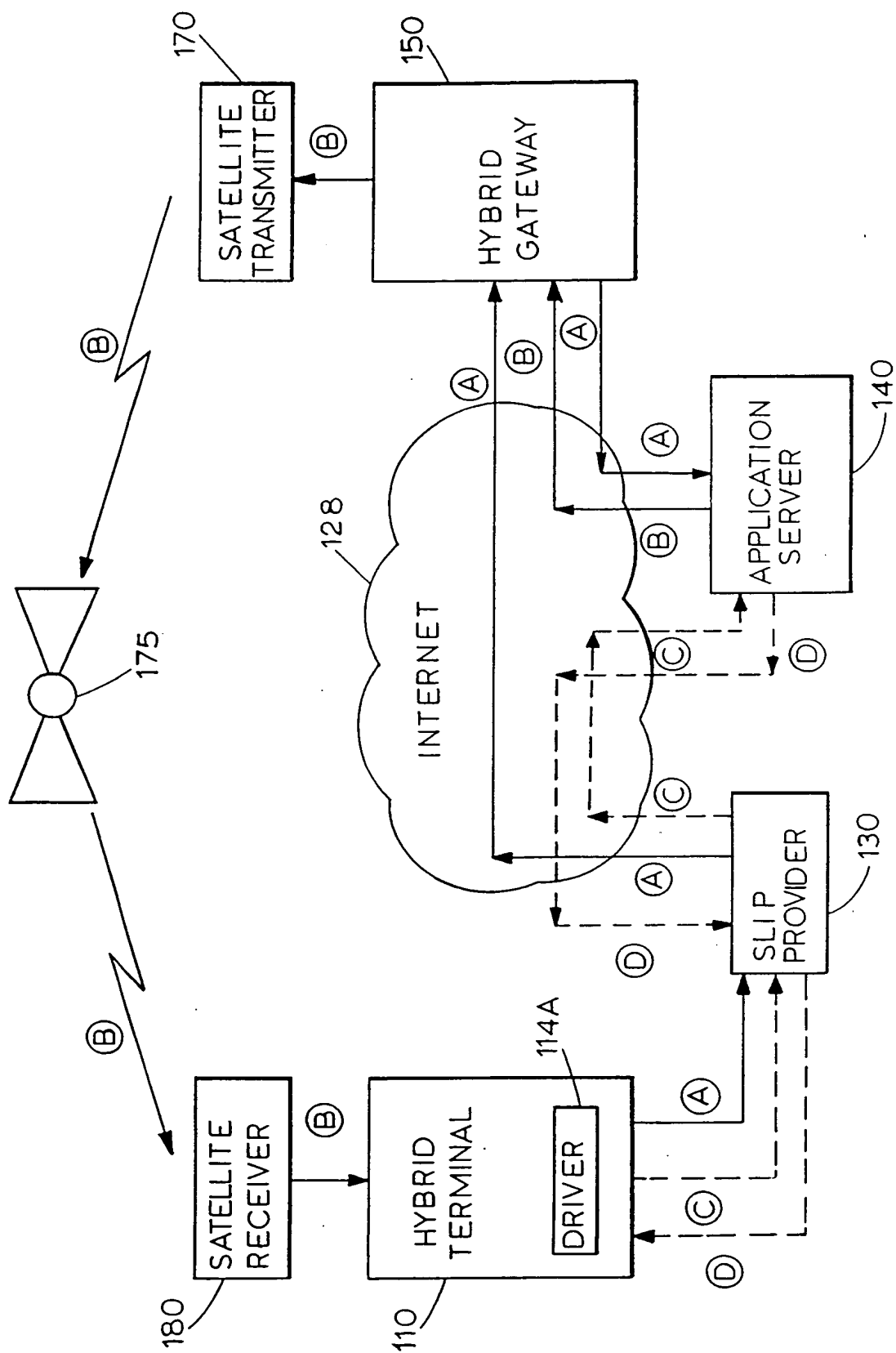


FIG. 15

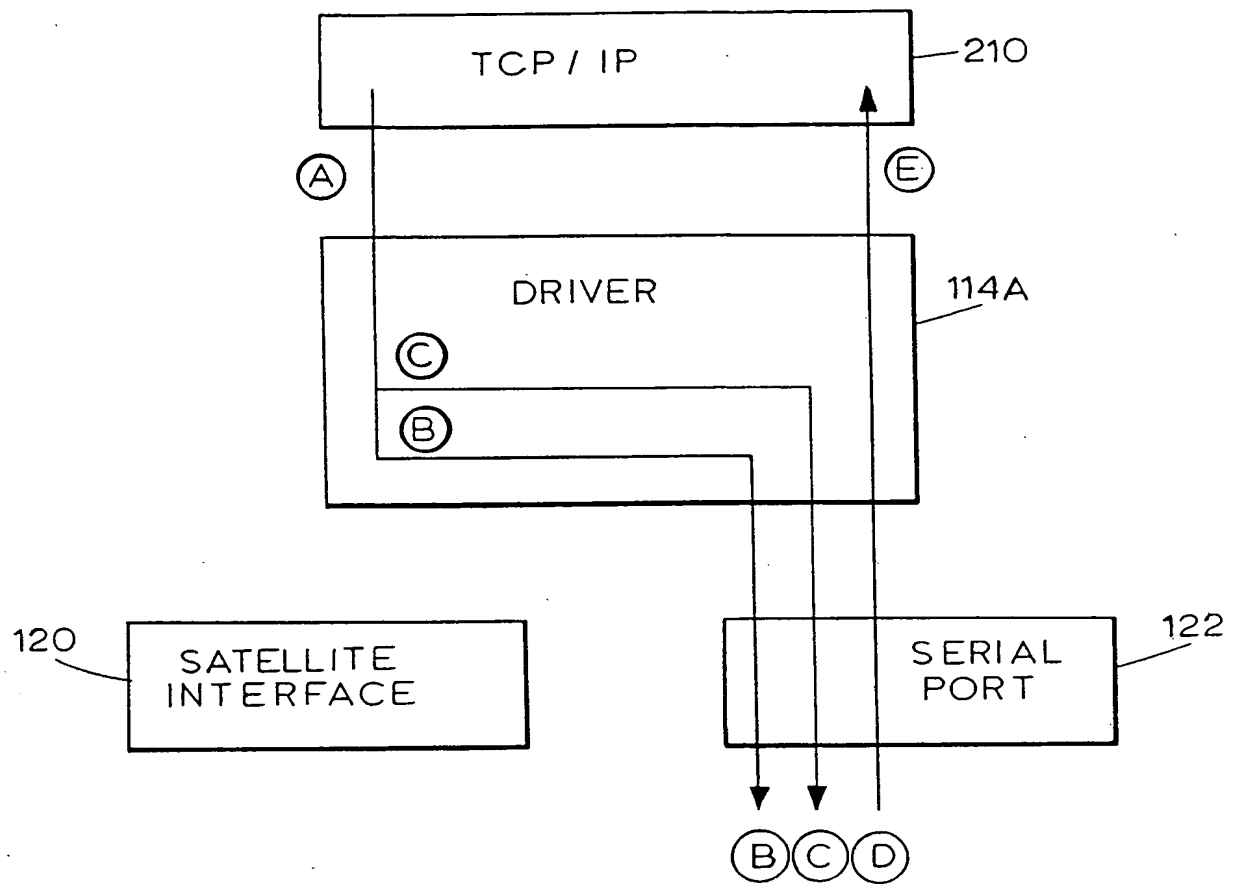


FIG. 16

DA = application server	SA = satellite interface	IP header checksum	TCP/UDP checksum	Request Data
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FIG. 16A ORIGINAL REQUEST PACKET

new DA = hybrid gateway	new SA = SLIP provider	new IP header checksum	DA = application server	SA = satellite interface	IP header checksum	TCP/UDP checksum	Request Data
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FIG. 16B TUNNELED SATELLITE REQUEST PACKET

DA = application server	(new) SA = SLIP provider	(new) IP header checksum	(new) TCP/UDP checksum	Request Data
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FIG. 16C TERRESTRIAL REQUEST PACKET

DA = SLIP provider	SA = application server	IP header checksum	TCP/UDP checksum	Request Data
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FIG. 16D TERRESTRIAL REPLY PACKET

(new) DA = satellite interface	SA = application server	IP header checksum	TCP/UDP checksum	Request Data
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FIG. 16E MODIFIED TERRESTRIAL REPLY PACKET

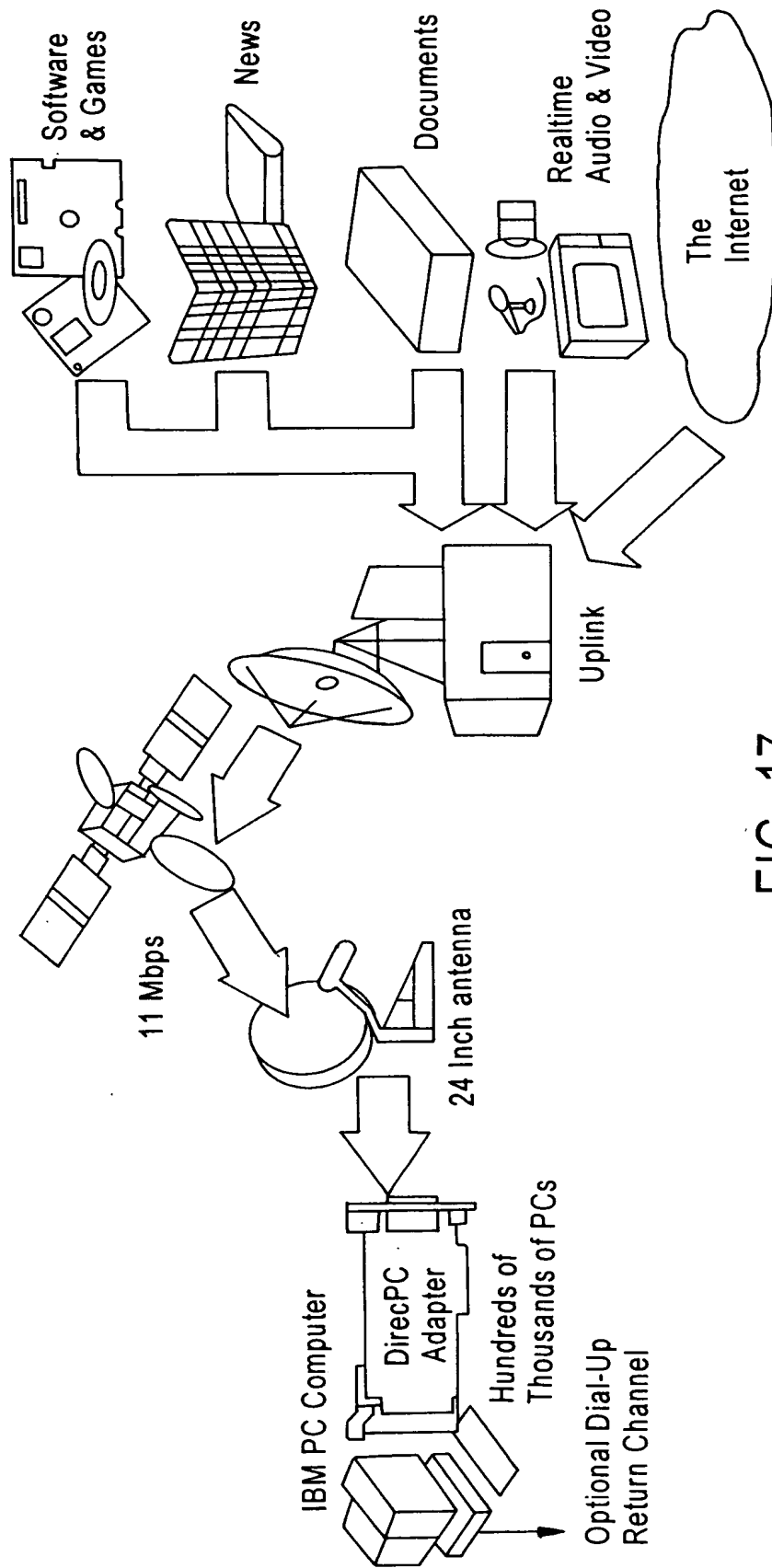


FIG. 17

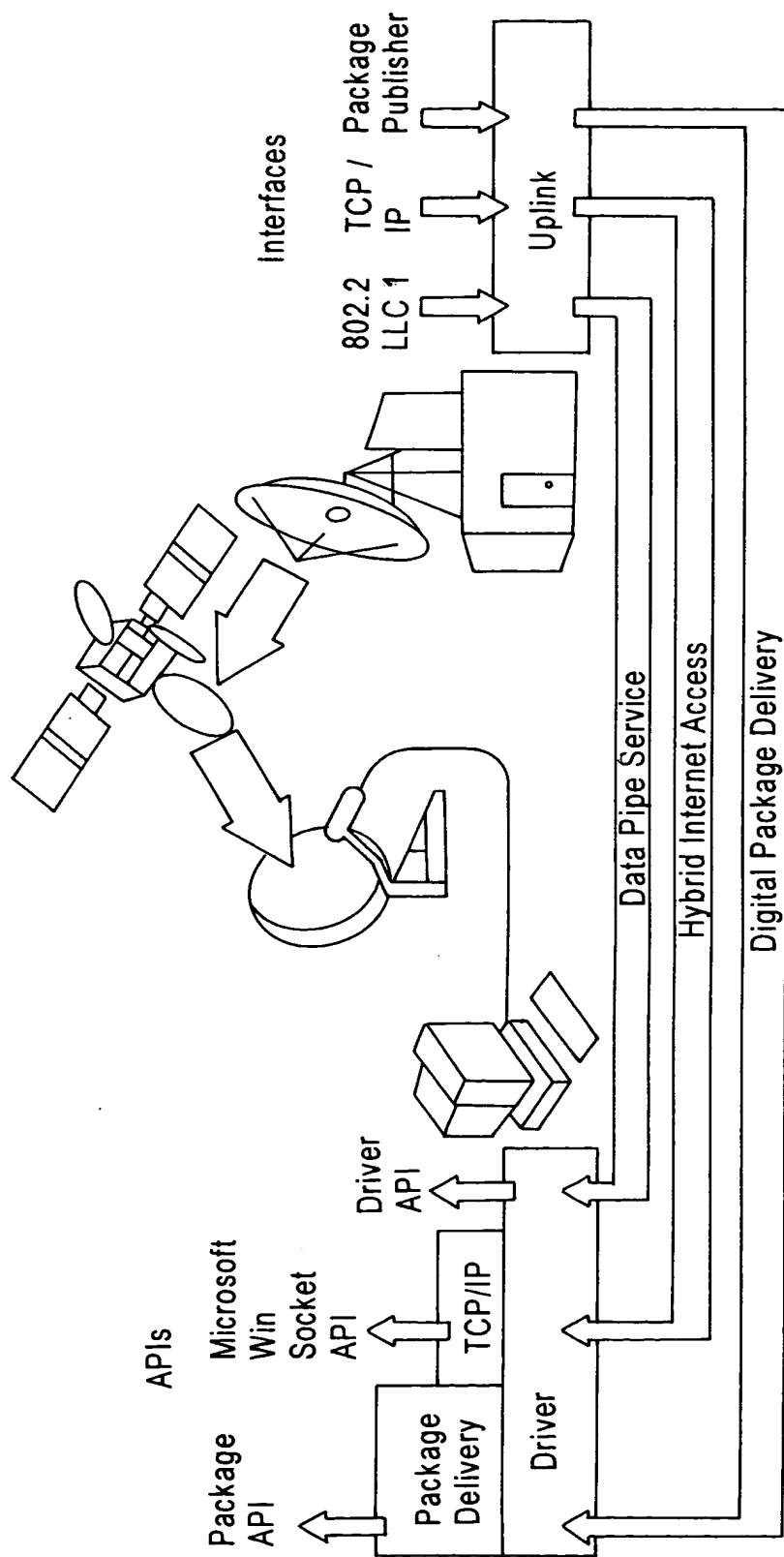


FIG. 18